Amendments to the Specification

Please add the following new heading before paragraph [0001]:

FIELD OF THE INVENTION

Please replace paragraph [0001] with the following amended paragraph:

[0001] The present invention relates to a method for manufacturing gas turbine components ~~according to the definition of the species in Patent Claim 1. Furthermore, the present invention relates to a component for a gas turbine~~.

Please add the following new heading before paragraph [0002]:

BACKGROUND

Please add the following new heading before paragraph [0007]:

SUMMARY OF THE INVENTION

Please replace paragraph [0007] with the following amended paragraph:

[0007] Since blades made of MMC materials have insufficient strength vis-à-vis bird strike, for example, and hollow blades are too expensive, ~~the~~ an object of the present invention is to propose alternative options for reducing weight. The mass of guide blades and rotating blades contributes considerably to the total weight of a gas turbine, in particular an aircraft engine. If the weight of the rotating blades can be reduced, then the rotor can also have a lighter design since the rotor has to absorb lower centrifugal forces when the weight of the rotating blades is reduced. The lighter an aircraft engine can be designed, the more favorable is the thrust to weight ratio of the aircraft engine which in turn represents a decisive competitive criterion for aircraft engines.

Please replace paragraph [0008] with the following amended paragraph:

[0008] On this basis, an ~~the~~ object of the present invention is to propose a novel method for manufacturing gas turbine components.

Please replace paragraph [0009] with the following amended paragraph:

[0009] ~~This object is achieved in that the initially mentioned method is refined by the features of the characterizing portion of Patent Claim 1.~~ The method according to the present invention for manufacturing gas turbine components, in particular blades, blade segments, or rotors having integral blades for an aircraft engine includes at least the following steps: providing at least one metal powder and at least one foaming agent; mixing the metal powder or each metal powder with the foaming agent or each foaming agent; compacting the resulting mixture to form at least one precursor; foaming the precursor or each precursor by heating up to a defined degree of foaming; terminating the foaming process by cooling when the defined degree of foaming is reached.

Please replace paragraph [0010] with the following amended paragraph:

[0010] According to the present invention, ~~it is proposed for the first time~~ a method to design gas turbine components, in particular guide blades and rotating blades for a compressor or a turbine of an aircraft engine, using metal foam at least partially is provided. Use of metal foams represents a cost-effective alternative compared to hollow blades, a clear weight reduction being implementable due to the porosity of the metal foam.

Please delete paragraph [0013].

Please replace paragraph [0014] with the following amended paragraph:

[0014] ~~Preferred refinements of the present invention arise from the subclaims and the following description.~~ Exemplary embodiments of the present invention, without being limited thereto, are explained in greater detail on the basis of the drawing.

Please add the following new heading before paragraph [0014]:

BRIEF DESCRIPTION OF THE DRAWINGS

Please add the following new heading before paragraph [0021]:

DETAILED DESCRIPTION

Please amend the heading on top of page 10 as follows:

~~PATENT CLAIMS:~~WHAT IS CLAIMED IS: